



CITY OF KIRKLAND

Department of Public Works

123 Fifth Avenue, Kirkland, WA 98033 425.587.3800

www.ci.kirkland.wa.us

MEMORANDUM

To: Kurt Triplett, City Manager

From: Dave Snider, P.E., Interim Capital Projects Manager
Ray Steiger, P.E., Interim Public Work Director

Date: March 24, 2011

Subject: HERONFIELD WETLANDS BANK STABILIZATION – ACCEPT WORK

RECOMMENDATION:

It is recommended that City Council accept the Heronfield Wetlands Bank Stabilization Project, as constructed by Laser Underground of Snohomish, WA, and establish the statutory 45 day lien period. It is also recommended that the balance of Project funds be transferred to the 2011 Annual Replacement of Aging/Failing Infrastructure Program.

BACKGROUND AND DISCUSSION:

This Project allowed for the repair and reconstruction of an existing storm water outfall near the corner of NE 120th Street and 110th Ave NE (Attachment A). A number of years of erosion had caused a roadway shoulder failure at the top of a steep embankment directly above the Heronfield wetlands. The existing storm water outfall pipe had been releasing storm runoff onto the steep and highly erosive embankment, and over time this uncontrolled discharge had eroded a deep gorge into that embankment. If left unattended, the embankment would have continued to erode eventually impacting the adjacent right-of-way with a real potential for catastrophic failure of the adjacent sidewalk and roadway. The repairs performed included the installation of a "soldier-pile" retaining wall to protect the sidewalk and roadway. Repairs also included the extension of the storm water outfall pipe to the bottom of the embankment where the flow is now released through a flow dispersion channel.

At their regular meeting on August 3, 2010, City Council awarded the construction contract to Laser Underground in the amount of \$211,631.75; the engineer's estimate was \$223,000. Construction began August 16th and was substantially complete on November 8, 2010; the Contractor was paid a total of \$226,760.00. The increased contract amount came as a result of additional materials needed and one change order to extend guard rail along the southern edge of the improvements.

The Annual Replacement of Aging/Failing Infrastructure Program in the CIP, from which this Project was funded, receives \$200,000 per year. As approved by City Council at their August 3rd meeting, this Project used a combination of funds from 2008, 2009, and 2010 resulting in a total project budget of \$441,000. Total costs to-date are \$425,900 (Attachment B). Staff's recommendation is that the balance of funds (\$15,074) be transferred to the 2011 Annual Replacement of Aging/Failing Infrastructure Program.

Attachments (2)

Annual Replacement of Aging/Failing Infrastructure - Heronfield Wetlands Bank Stabilization Project
(SD-0947)
VICINITY MAP



Annual Replacement of Aging/Failing Infrastructure Heronfield Wetlands Bank Stabilization Project

Attachment B

Project Budget Report

